C. STROUP

1633

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PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/391,861

DATE: 10/30/2000
TIME: 14:29:32

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│  This Raw Listing contains the General Information        │
│  Section and up to first 5 pages.                         │
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 2         Liu, Benxian
 3   <120> TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
 4   <130> FILE REFERENCE: 99,371
 5   <140> CURRENT APPLICATION NUMBER: US/09/391,861
 6   <141> CURRENT FILING DATE: 1999-09-07
 7   <160> NUMBER OF SEQ ID NOS: 41
 8   <170> SOFTWARE: PatentIn Ver. 2.0
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19         acctgaggac ccgagccatt g atg gac tcg gac gag acc ggg ttc gag cac   171
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22         tca gga ctg tgg gtt tct gtg ctg gct ggt ctt ctg ctg gga gcc tgc   219
23         Ser Gly Leu Trp Val Ser Val Leu Ala Gly Leu Leu Leu Gly Ala Cys
24                       15              20                  25
25         cag gca cac ccc atc cct gac tcc agt cct ctc ctg caa ttc ggg ggc   267
26         Gln Ala His Pro Ile Pro Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly
27                       30              35                  40
28         caa gtc cgg cag cgg tac ctc tac aca gat gat gcc cag cag aca gaa   315
29         Gln Val Arg Gln Arg Tyr Leu Tyr Thr Asp Asp Ala Gln Gln Thr Glu
30                       45              50                  55
31         gcc cac ctg gag atc agg gag gat ggg acg gtg ggg ggc gct gct gac   363
32         Ala His Leu Glu Ile Arg Glu Asp Gly Thr Val Gly Gly Ala Ala Asp
33                       60              65                  70
34         cag agc ccc gaa agt ctc ctg cag ctg aaa gcc ttg aag ccg gga gtt   411
35         Gln Ser Pro Glu Ser Leu Leu Gln Leu Lys Ala Leu Lys Pro Gly Val
36             75              80                  85                  90
37         att caa atc ttg gga gtc aag aca tcc agg ttc ctg tgc cag cgg cca   459
38         Ile Gln Ile Leu Gly Val Lys Thr Ser Arg Phe Leu Cys Gln Arg Pro
39                       95                  100                 105
40         gat ggg gcc ctg tat gga tcg ctc cac ttt gac cct gag gcc tgc agc   507
41         Asp Gly Ala Leu Tyr Gly Ser Leu His Phe Asp Pro Glu Ala Cys Ser
42                       110                 115                 120
43         ttc cgg gag ctg ctt ctt gag gac gga tac aat gtt tac cag tcc gaa   555
44         Phe Arg Glu Leu Leu Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu
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46      gcc cac ggc ctc ccg ctg cac ctg cca ggg aac aag tcc cca cac cgg   603
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49      gac cct gca ccc cga gga cca gct cgc ttc ctg cca cta cca ggc ctg   651
50      Asp Pro Ala Pro Arg Gly Pro Ala Arg Phe Leu Pro Leu Pro Gly Leu
51      155             160             165             170
52      ccc ccc gca ccc ccg gag cca ccc gga atc ctg gcc ccc cag ccc ccc   699
53      Pro Pro Ala Pro Pro Glu Pro Pro Gly Ile Leu Ala Pro Gln Pro Pro
54                    175             180             185
55      gat gtg ggc tcc tcg gac cct ctg agc atg gtg gga cct tcc cag ggc   747
56      Asp Val Gly Ser Ser Asp Pro Leu Ser Met Val Gly Pro Ser Gln Gly
57                    190             195             200
58      cga agc ccc agc tac gct tcc tga agccagaggc tgtttactat gacatctcct   801
59      Arg Ser Pro Ser Tyr Ala Ser
60                    205             210
61      ctttatttat taggttattt atcttatttta tttttttatt tttcttactt gagataataa   861
62      agagttccag aggaggataa gaatgagcat gtgtgagtgt ctgagggaag acatggcagc   921
63      tgttttgtct cccttggccc ggacaatccc ctctacacct cccctcacgt ggtccgaggg   981
64      tcctggcttc ccactgggcc tcactttttt cttttctttt cttttctttt ttttgagacg   1041
65      gagtctcgct ctgcactcca gcccaggcca cagagcgaga ttccatctca aaaaaataaa   1101
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76                          20                  25                  30
77          Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly Gln Val Arg Gln Arg Tyr
78                      35                  40                  45
79          Leu Tyr Thr Asp Asp Ala Gln Gln Thr Glu Ala His Leu Glu Ile Arg
80              50                  55                  60
81          Glu Asp Gly Thr Val Gly Gly Ala Ala Asp Gln Ser Pro Glu Ser Leu
82          65                  70                  75                  80
83          Leu Gln Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu Gly Val
84                          85                  90                  95
85          Lys Thr Ser Arg Phe Leu Cys Gln Arg Pro Asp Gly Ala Leu Tyr Gly
86                          100                 105                 110
87          Ser Leu His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu Leu Leu
88                      115                 120                 125
89          Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His Gly Leu Pro Leu
90              130                 135                 140
91          His Leu Pro Gly Asn Lys Ser Pro His Arg Asp Pro Ala Pro Arg Gly
92          145                 150                 155                 160
93          Pro Ala Arg Phe Leu Pro Leu Pro Gly Leu Pro Pro Ala Pro Pro Glu
94                          165                 170                 175
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110         1               5                  10                  15
111        ctg ctg ctg gct gtc ttc ctg ctg ggg gtc tac caa gca tac ccc atc    96
112        Leu Leu Leu Ala Val Phe Leu Leu Gly Val Tyr Gln Ala Tyr Pro Ile
113                 20                  25                  30
114        cct gac tcc agc ccc ctc ctc cag ttt ggg ggt caa gtc cgg cag agg   144
115        Pro Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly Gln Val Arg Gln Arg
116                 35                  40                  45
117        tac ctc tac aca gat gac gac caa gac act gaa gcc cac ctg gag atc   192
118        Tyr Leu Tyr Thr Asp Asp Asp Gln Asp Thr Glu Ala His Leu Glu Ile
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120        agg gag gat gga aca gtg gta ggc gca gca cac cgc agt cca gaa agt   240
121        Arg Glu Asp Gly Thr Val Val Gly Ala Ala His Arg Ser Pro Glu Ser
122         65                  70                  75                  80
123        ctc ctg gag ctc aaa gcc ttg aag cca ggg gtc att caa atc ctg ggt   288
124        Leu Leu Glu Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu Gly
125                     85                  90                  95
126        gtc aaa gcc tct agg ttt ctt tgc caa cag cca gat gga gct ctc tat   336
127        Val Lys Ala Ser Arg Phe Leu Cys Gln Gln Pro Asp Gly Ala Leu Tyr
128                     100                 105                 110
129        gga tcg cct cac ttt gat cct gag gcc tgc agc ttc aga gaa ctg ctg   384
130        Gly Ser Pro His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu Leu
131                 115                 120                 125
132        ctg gag gac ggt tac aat gtg tac cag tct gaa gcc cat ggc ctg ccc   432
133        Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His Gly Leu Pro
134             130                 135                 140
135        ctg cgt ctg cct cag aag gac tcc cca aac cag gat gca aca tcc tgg   480
136        Leu Arg Leu Pro Gln Lys Asp Ser Pro Asn Gln Asp Ala Thr Ser Trp
137        145                 150                 155                 160
138        gga cct gtg cgc ttc ctg ccc atg cca ggc ctg ctc cac gag ccc caa   528
139        Gly Pro Val Arg Phe Leu Pro Met Pro Gly Leu Leu His Glu Pro Gln
140                     165                 170                 175
141        gac caa gca gga ttc ctg ccc cca gag ccc cca gat gtg ggc tcc tct   576
142        Asp Gln Ala Gly Phe Leu Pro Pro Glu Pro Pro Asp Val Gly Ser Ser
143                     180                 185                 190
144        gac ccc ctg agc atg gta gag cct tta cag ggc cga agc ccc agc tat   624
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158                  20                  25                  30
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160                  35                  40                  45
161          Tyr Leu Tyr Thr Asp Asp Asp Gln Asp Thr Glu Ala His Leu Glu Ile
162             50                  55                  60
163          Arg Glu Asp Gly Thr Val Val Gly Ala Ala His Arg Ser Pro Glu Ser
164             65                  70                  75                  80
165          Leu Leu Glu Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu Gly
166                  85                  90                  95
167          Val Lys Ala Ser Arg Phe Leu Cys Gln Gln Pro Asp Gly Ala Leu Tyr
168                  100                 105                 110
169          Gly Ser Pro His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu Leu
170                  115                 120                 125
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172                  130                 135                 140
173          Leu Arg Leu Pro Gln Lys Asp Ser Pro Asn Gln Asp Ala Thr Ser Trp
174          145                 150                 155                 160
175          Gly Pro Val Arg Phe Leu Pro Met Pro Gly Leu Leu His Glu Pro Gln
176                  165                 170                 175
177          Asp Gln Ala Gly Phe Leu Pro Pro Glu Pro Pro Asp Val Gly Ser Ser
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191                  20                  25                  30
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200       Glu Leu Leu Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His
201                          100                  105                  110
202       Gly Leu Pro Leu His Leu Pro Gly Asn Lys Ser Pro His Arg Asp Pro
203                   115                  120                  125
204       Ala Pro Arg Gly Pro Ala Arg Phe Leu Pro Leu Pro Gly Leu Pro Pro
205            130                  135                  140
206       Ala Pro Pro Glu Pro Pro Gly Ile Leu Ala Pro Gln Pro Pro Asp Val
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220                           20                   25                   30
221       Leu Glu Ile Arg Glu Asp Gly Thr Val Val Gly Ala Ala His Arg Ser
222                    35                   40                   45
223       Pro Glu Ser Leu Leu Glu Leu Lys Ala Leu Lys Pro Gly Val Ile Gln
224            50                   55                   60
225       Ile Leu Gly Val Lys Ala Ser Arg Phe Leu Cys Gln Gln Pro Asp Gly
226        65                    70                   75                   80
227       Ala Leu Tyr Gly Ser Pro His Phe Asp Pro Glu Ala Cys Ser Phe Arg
228                           85                   90                   95
229       Glu Leu Leu Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His
230                          100                  105                  110
231       Gly Leu Pro Leu Arg Leu Pro Gln Lys Asp Ser Pro Asn Gln Asp Ala
232                   115                  120                  125
233       Thr Ser Trp Gly Pro Val Arg Phe Leu Pro Met Pro Gly Leu Leu His
234            130                  135                  140
235       Glu Pro Gln Asp Gln Ala Gly Phe Leu Pro Pro Glu Pro Pro Asp Val
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n r Xaa.

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